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IN - HAN J H; JEGAL S; JUN B Y; JUNG M; RYU G H; SHIN Y S; YANG S G
LNKA- 2004-271038
MC - C04-A0800E C14-U02 D05-H16B
PA - (NONG-N) NONG WOO BIO CO LTD
PN - KR20040066425 A 20040727 DW200476
PR - KR20030003482 20030118
XIC - A01H-001/06
AB - NOVELTY :
A method for producing CGMMV-resistant transgenic Cucurbitaceous plants is provided, thereby improving resistance to CGMMV(cucumber green mottle mosaic virus) of Cucurbitaceous plants, so that the CGMMV-resistant transgenic Cucurbitaceous plants can be useful as a stock for grafting of plants.
- DETAILED DESCRIPTION :
The method for producing CGMMV-resistant transgenic Cucurbitaceous plants comprises transforming Agrobacterium with a vector pMBP-1/CGMMV-CP for transforming plants containing CP gene encoding the outer surface protein of CGMMV having the amino acid sequence of SEQ ID NO:4; and co-culturing the transformed Agrobacterium with tissues of Cucurbitaceous plants, wherein the CP gene has the nucleotide sequence of SEQ ID NO:3; the CP gene is a PCR amplification product using primers having the nucleotide sequences of SEQ ID NO:1 and SEQ ID NO:2; the tissue of Cucurbitaceous plants is cotyledon, hypocotyl or callus; and the Cucurbitaceous plant is selected from watermelon, pumpkin, gourd, cucumber and melon.
INW - HAN J H; JEGAL S; JUN B Y; JUNG M; RYU G H; SHIN Y S; YANG S G
IW - METHOD PRODUCE RESISTANCE TRANSGENIC CUCURBIT PLANT
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NC - 1
NFM - 1
OPD - 2003-01-18
PAW - (NONG-N) NONG WOO BIO CO LTD
PD - 2004-07-27
TI - Method for producing cgmmv-resistant transgenic cucurbitaceous plants